

YELLOWSTONE PLASTICS (PWS 7100188) SOURCE WATER ASSESSMENT FINAL REPORT

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State of Idaho Department of Environmental Quality

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Executive Summary

Under the Safe Drinking Water Act Amendments of 1996, all states are required by the U.S. Environmental Protection Agency (EPA) to assess every source of public drinking water for its relative sensitivity to contaminants regulated by the Act. This assessment is based on a land use inventory of the designated assessment area and sensitivity factors associated with the wells and aquifer characteristics.

This report, *Source Water Assessment for Yellowstone Plastics, Idaho Falls, Idaho*, describes the public drinking water system, the boundaries of the zones of water contribution, and the associated potential contaminant sources located within these boundaries. This assessment should be used as a planning tool, taken into account with local knowledge and concerns, to develop and implement appropriate protection measures for this source. **The results should not be used as an absolute measure of risk and they should not be used to undermine public confidence in the water system.**

The Yellowstone Plastics (PWS #7100188) drinking water system consists of one ground water well, called the Main Well. The system serves approximately 30 people through 1 connection.

Final susceptibility scores are derived from equally weighting system construction scores, hydrologic sensitivity scores, and potential contaminant/land use scores. Therefore, a low rating in one or two categories coupled with a higher rating in other category(ies) results in a final rating of low, moderate, or high susceptibility. With the potential contaminants associated with most urban and heavily agricultural areas, the best score a well can get is moderate. Potential contaminants are divided into four categories, inorganic contaminants (IOCs, e.g. nitrates, arsenic), volatile organic contaminants (VOCs, e.g. petroleum products), synthetic organic contaminants (SOCs, e.g. pesticides), and microbial contaminants (e.g. bacteria). As different wells can be subject to various contamination settings, separate scores are given for each type of contaminant.

In terms of total susceptibility, the Main Well rated automatically high for IOCs, VOCs, SOCs, and moderate for microbial bacteria. System construction rated moderate and hydrologic sensitivity rated high for the well. Land use rated high for IOCs, VOCs, SOCs, and microbials (Table 1).

The automatically high ratings are due to potential contaminant sources existing within the 50-foot sanitary setback of the well. In this case, maintaining the lawn surrounding the wellhead can potentially introduce IOCs, VOCs, or SOCs into the groundwater immediately surrounding the well. If not for the sanitary setback infringement, the largest influences upon overall scores were the number of sources (Figure 2 and Table 2) and amount of agricultural land within the delineation.

No SOCs, VOCs, or microbial bacteria have ever been detected in the well's tested water. Traces of the IOCs barium, fluoride, and nitrate have been detected in the well. Despite existing in a county with high nitrogen fertilizer use, high herbicide use, and high agricultural chemical use, nitrate has only been detected in concentrations less than 2.6 parts per million (ppm). The maximum contaminant level (MCL) for nitrate is 10 ppm. A priority area for the IOC nitrate and the SOC Atrazine exists within delineated area.

This assessment should be used as a basis for determining appropriate new protection measures or re-evaluating existing protection efforts. No matter what ranking a source receives, protection is always important. Whether the source is currently located in a "pristine" area or an area with numerous

industrial and/or agricultural land uses that require surveillance, the way to ensure good water quality in the future is to act now to protect valuable water supply resources. If the system should need to expand in the future, new well sites should be located in areas with as few potential sources of contamination as possible, and the site should be reserved and protected for this specific use.

For the Yellowstone Plastics, drinking water protection activities should first focus on correcting any deficiencies outlined in the sanitary survey (an inspection conducted every five years with the purpose of determining the physical condition of a water system's components and its capacity). Actions should be taken to maintain a 50-foot radius circle around the wellhead clear of potential contaminants. Any contaminant spills within the delineation should be carefully monitored and dealt with. As much of the designated assessment areas are outside the direct jurisdiction of Yellowstone Plastics, collaboration and partnerships with state and local agencies should be established and are critical to success.

Due to the time involved with the movement of ground water, drinking water protection activities should be aimed at long-term management strategies even though these strategies may not yield results in the near term. A strong public education program should be a primary focus of any drinking water protection plan as the delineation contains some urban and residential land uses. Public education topics could include proper lawn and garden care practices, household hazardous waste disposal methods, proper care and maintenance of septic systems, and the importance of water conservation to name but a few. There are multiple resources available to help communities implement protection programs, including the Drinking Water Academy of the EPA. Drinking water protection activities for agriculture should be coordinated with the Idaho State Department of Agriculture, the Soil Conservation Commission, the local Soil and Water Conservation District, and the Natural Resources Conservation Service.

A community must incorporate a variety of strategies in order to develop a comprehensive drinking water protection plan, be they regulatory in nature (i.e. zoning, permitting) or non-regulatory in nature (i.e. good housekeeping, public education, specific best management practices). For assistance in developing protection strategies please contact the Idaho Falls Regional Office of the Department of Environmental Quality or the Idaho Rural Water Association.

SOURCE WATER ASSESSMENT FOR YELLOWSTONE PLASTICS, IDAHO FALLS, IDAHO

Section 1. Introduction - Basis for Assessment

The following sections contain information necessary to understand how and why this assessment was conducted. **It is important to review this information to understand what the ranking of this assessment means.** Maps showing the delineated source water assessment area and the inventory of significant potential sources of contamination identified within that area are included. The list of significant potential contaminant source categories and their rankings used to develop the assessment also is included.

Background

Under the Safe Drinking Water Act Amendments of 1996, all states are required by the U.S. Environmental Protection Agency (EPA) to assess every source of public drinking water for its relative susceptibility to contaminants regulated by the Safe Drinking Water Act. This assessment is based on a land use inventory of the delineated assessment area and sensitivity factors associated with the wells and aquifer characteristics.

Level of Accuracy and Purpose of the Assessment

The Idaho Department of Environmental Quality (DEQ) is required by the U.S. EPA to assess the over 2,900 public drinking water sources in Idaho for their relative susceptibility to contaminants regulated by the Safe Drinking Water Act. This assessment is based on a land use inventory of the delineated assessment area, sensitivity factors associated with the wells, and aquifer characteristics. All assessments for sources active prior to 1999 were completed by May of 2003. Source water assessments for sources activated post-1999 are being developed on a case-by-case basis. The resources and time available to accomplish assessments are limited. An in-depth, site-specific investigation of each significant potential source of contamination is not possible. **Therefore, this assessment should be used as a planning tool, taken into account with local knowledge and concerns, to develop and implement appropriate protection measures for this source. The results should not be used as an absolute measure of risk and they should not be used to undermine public confidence in the water system.**

The ultimate goal of the assessment is to provide data to local communities to develop a protection strategy for their drinking water supply system. The DEQ recognizes that pollution prevention activities generally require less time and money to implement than treatment of a public water supply system once it has been contaminated. DEQ encourages communities to balance resource protection with economic growth and development. The decision as to the amount and types of information necessary to develop a drinking water protection program should be determined by the local community based on its own needs and limitations. Wellhead or drinking water protection is one facet of a comprehensive growth plan, and it can complement ongoing local planning efforts.

Section 2. Conducting the Assessment

General Description of the Source Water Quality

The Yellowstone Plastics (PWS #7100188) drinking water system consists of one ground water well, called the Main Well. The system serves approximately 30 people through 1 connection.

No SOCs, VOCs, or microbial bacteria have ever been detected in the well's tested water. Traces of the IOCs barium, fluoride, and nitrate have been detected in the well. Despite existing in a county with high nitrogen fertilizer use, high herbicide use, and high agricultural chemical use, nitrate has only been detected in concentrations less than 2.6 ppm. The MCL for nitrate is 10 ppm. A priority area for the IOC nitrate and the SOC Atrazine exists within delineated area.

Defining the Zones of Contribution – Delineation

The delineation process establishes the physical area around a well that will become the focal point of the assessment. The process includes mapping the boundaries of the zone of contribution into time-of-travel (TOT) zones (zones indicating the number of years necessary for a particle of water to reach a well) for water in the aquifer. DEQ performed the delineation using a computer model approved by the EPA in determining the 3-year (Zone 1B), 6-year (Zone 2), and 10-year (Zone 3) TOT for water associated with the Snake River Plain aquifer in the vicinity of the Yellowstone Plastics. The computer model used site-specific data from a variety of sources including local area well logs, and hydrogeologic reports (detailed below).

Hydrogeologic Conceptual Model

The capture zones for the source wells were modeled using the WhAEM Model 2000, version 1.0.4. The model was run by inputting hydrogeologic data estimated from well logs, topographic maps, geologic maps, and previous studies conducted in the area. Boundary conditions and initial aquifer property estimates were inputted into the model and then ran over a series of simulations. Parameters were adjusted in these simulations until a “best fit” approximation was achieved.

Boundary conditions inputted into the model were based on previous modeling efforts conducted in this area. The regional aquifer flowing through this area has been modeled previously, and parameters used in the previous model were incorporated into this model. The boundaries incorporated from the previous model include the constant head boundaries. Other boundaries used in the previous model to represent losing/gaining stream segments were not included into this model.

To simulate the general ground water flow direction of the regional system, constant head boundaries were placed on the northern and southern portions of the study area. The head values assigned to these boundaries were 4900 feet above mean sea level (amsl) along the northern extent and 4490 amsl to the south, generating a southwestern flow direction.

A boundary condition not incorporated into this model was the constant flux/head boundary placed on the Snake River. Due to the depths of the wells and the water levels within the wells, the Snake River does not appear to be in direct hydraulic connection with the ground water. Therefore, the Snake River was not included in the model as a boundary condition. The presence of this boundary was investigated through the modeling process, but due to unrealistic capture zone delineations, the

boundary was not incorporated into the “best fit” scenario of the model.

Two no flow boundaries incorporated into this model were placed to simulate the geologic boundaries in the area. Silica rich volcanic units that border the ESRP basalt flows to the east were simulated as constant flux recharge boundaries in previous models. To eliminate near-field interference associated with these flux boundaries and represent realistic capture zones, the geologic contacts were modeled as no flow boundaries.

Finally, a no-flow boundary was arbitrarily placed around the study area to define the extent of the model. The presence of this boundary limits the area required to be calculated by the model.

Once the boundary conditions and aquifer parameters were inputted into the model, the model was run over a series of simulations until a “best fit” scenario was achieved. The “best fit” scenario was defined by the closeness of test point matches. The test points are wells in the area completed in the same aquifer. Water levels taken from the well logs of these test points are compared to the head values predicted by the model. Model parameters are adjusted until the calculated values best match the measured values, resulting in the “best fit” scenario. The parameters entered into the model for the “best fit” scenario are:

Aquifer base elevation (ft amsl):	4200
Aquifer thickness (ft):	40
Hydraulic conductivity (ft/day):	2000
Recharge (ft/day):	0.0035
Porosity:	0.15

The aquifer base elevation, thickness, recharge, and porosity were all estimated from the previous model ran in this area (WGI, 2001). The hydraulic conductivity was adjusted until the best test point match was achieved. The hydraulic conductivity for the basalt aquifer ranges from 25 to 4700 ft/day (WGI, 2001). Extreme ranges of hydraulic conductivity (50 to 2700 ft/day) were entered into the model to determine the best approximation for these particular wells. Based on the test point matches, the hydraulic conductivity value that created the best test point match was 2000 ft/day.

The range in error associated with the test point match can be attributed to the estimating procedure involved in locating and assigned head values to the test points. The head values for the test points were taken from the well logs and approximated using a topographic map. The topographic map was used to estimate locations and elevations of the wells, resulting in potential measurement error. Therefore, test point matches within +/- 50 feet are considered adequate.

The pumping rates entered into the model for the source wells was 525 gallons per minute (gpm). The reported pumping rate for the wells was 350 gpm. The increase in modeled pumping rates is done as a factor of safety. This increased pumping rate incorporates any potential measurement errors in the reported rate as well as considers the potential of the system to increase production in the future.

The delineated area for the Yellowstone Plastics well is a northeast trending sector approximately 51 miles long which widens to approximately 6.5 miles at its most distant point from the well. The actual data used in determining the source water assessment delineation area is available from DEQ upon request.

Identifying Potential Sources of Contamination

A potential source of contamination is defined as any facility or activity that stores, uses, or produces, as a product or by-product, the contaminants regulated under the Safe Drinking Water Act and has a sufficient likelihood of releasing such contaminants at levels that could pose a concern relative to drinking water sources. The goal of the inventory process is to locate and describe those facilities, land uses, and environmental conditions that are potential sources of groundwater contamination. The locations of potential sources of contamination within the delineation areas were obtained by field surveys conducted by DEQ and from available databases.

Land use within the area surrounding the Yellowstone Plastics well is predominately irrigated agriculture, however the delineation encompasses a significant amount of urban activity as well.

It is important to understand that a release may never occur from a potential source of contamination provided they are using best management practices. Many potential sources of contamination are regulated at the federal level, state level, or both to reduce the risk of release. Therefore, when a business, facility, or property is identified as a potential contaminant source, this should not be interpreted to mean that this business, facility, or property is in violation of any local, state, or federal environmental law or regulation. What it does mean is that the potential for contamination exists due to the nature of the business, industry, or operation. There are a number of methods that water systems

can use to work cooperatively with potential sources of contamination, including educational visits and inspections of stored materials. Many owners of such facilities may not even be aware that they are located near a public water supply well.

Contaminant Source Inventory Process

A two-phased contaminant inventory of the study area was conducted in April and May 2004. The first phase involved identifying and documenting potential contaminant sources within the Yellowstone Plastics source water assessment area (Figure 2) through the use of computer databases and Geographic Information System (GIS) maps developed by DEQ. The second, or enhanced, phase of the contaminant inventory involved contacting the operator to identify and add any additional potential sources in the delineated areas.

The delineated source water area for the well (Figure 2) has 488 potential contaminant sources (Appendix B).

Section 3. Susceptibility Analyses

The well's susceptibility to contamination was ranked as high, moderate, or low risk according to the following considerations: hydrologic characteristics, physical integrity of the well, land use characteristics, and potentially significant contaminant sources. The susceptibility rankings are specific to a particular potential contaminant or category of contaminants. Therefore, a high susceptibility rating relative to one potential contaminant does not mean that the water system is at the same risk for all other potential contaminants. The relative ranking that is derived for each well is a qualitative, screening-level step that, in many cases, uses generalized assumptions and best professional judgement. Appendix A contains the susceptibility analysis worksheet. The following summaries describe the rationale for the susceptibility ranking.

Hydrologic Sensitivity

The hydrologic sensitivity of a well is dependent upon four factors: the surface soil composition, the material in the vadose zone (between the land surface and the water table), the depth to first ground water, and the presence of a 50-foot thick fine-grained zone (aquitard) above the producing zone of the well. Slowly draining soils such as silt and clay typically are more protective of ground water than coarse-grained soils such as sand and gravel. Similarly, fine-grained sediments in the subsurface and a water depth of more than 300 feet protect the ground water from contamination.

The Yellowstone Plastics well rated high for hydrologic sensitivity. The Natural Resource Conservation Service characterized area soils as moderately- to well-drained, a setting which allows for surface-related potential contaminants to have a higher vertical mobility and be less protective of ground water. In addition, the vadose zone is composed of predominantly permeable units, the depth to first water is less than 300 feet below ground surface (bgs), and no aquitard is present above the producing zone of either well.

Well Construction

Well construction directly affects the ability of the well to protect the aquifer from contaminants. System construction scores are reduced when information shows that potential contaminants will have a more difficult time reaching the intake of the well. Lower scores imply a system is less vulnerable to contamination. For example, if the well casing and annular seal both extend into a low permeability unit, then the possibility of contamination is reduced and the system construction score goes down. If the highest production interval is more than 100 feet below the water table, then the system is considered to have better buffering capacity. If the wellhead and surface seal are maintained to standards, as outlined in sanitary surveys, then contamination down the well bore is less likely. If the well is protected from surface flooding and is outside the 100-year floodplain, then contamination from surface events is reduced.

The system's well was drilled to a depth of 230 feet in August of 1999. The well was completed with a 180-foot surface seal into a clay/silt layer. The surface seal was constructed with 3 yards of cement and 1200 pounds of bentonite. The well was constructed out of 8 inch steel casing (0.25 inches thick) to a depth of 192 feet into basalt with broken clay. Screened intervals were not installed according to the well log. The bottom 38 feet of the well is open hole, and exposed to the surrounding strata.

The Main Well rated moderate for system construction. The casing and surface seal extend into low

permeability units of clayey basalt and clayey silt, respectively, the wellhead is located outside of a 100-year floodplain, and the sanitary survey noted that the wellhead and surface are in good condition. The well derives its water from less than 100 feet below the water table, increasing the rating.

Current PWS well construction standards can be more stringent than when a well(s) was constructed. The Idaho Department of Water Resources *Well Construction Standards Rules* (1993) require all PWSs to follow DEQ standards as well. IDAPA 58.01.08.550 requires that PWSs follow the *Recommended Standards for Water Works* (1997) during construction. Some of the regulations deal with screening requirements, aquifer pump tests, use of a down-turned casing vent, and thickness of casing. Table 1 of the *Recommended Standards for Water Works* (1997) lists the required steel casing thickness for various diameter wells. Eight-inch diameter wells require a casing thickness of 0.322-inches. Because the well's construction does not meet all current standards, the well was assessed an additional system construction point.

Potential Contaminant Sources and Land Use

Land use for Main Well rated high for IOCs, VOCs, SOCs, and for microbials. The high percentage of irrigated agricultural land within the delineation, and its location within a county of high fertilizer use, high herbicide use, and high agricultural chemical use contributed the highest amount to the ratings. Also factoring into the scoring were Highways 26 and 33, the Snake and Teton Rivers, and Willow Creek and Moody Creeks, and multiple sources in the 0-3 Year TOT.

Final Susceptibility Ranking

A detection above a drinking water standard MCL, any detection of a VOC or SOC, or a detection of total coliform bacteria or fecal coliform bacteria at the wellhead will automatically give a high susceptibility rating to a well despite the land use of the area because a pathway for contamination already exists. Additionally, potential contaminant sources within 50 feet of a wellhead will automatically lead to a high susceptibility rating. Hydrologic sensitivity and system construction scores are heavily weighted in the final scores. Having multiple potential contaminant sources in the 0 to 3-year time of travel zone (Zone 1B) contribute greatly to the overall ranking. In this case, the Main Well rated automatic high to IOCs, VOCs, and SOCs due to the landscaped area surrounding the well.

Table 1. Summary of Yellowstone Plastics Susceptibility Evaluation

Well	Susceptibility Scores ¹									
	Hydrologic Sensitivity	Contaminant Inventory				System Construction	Final Susceptibility Ranking			
		IOC	VOC	SOC	Microbials		IOC	VOC	SOC	Microbials
Main Well	H	H	H	H	H	M	H*	H*	H*	M

¹H = High Susceptibility, M = Moderate Susceptibility, L = Low Susceptibility,

IOC = inorganic chemical, VOC = volatile organic chemical, SOC = synthetic organic chemical

H* = Automatically high rating due to potential contaminant sources present within 50 feet of the wellhead

Susceptibility Summary

In terms of total susceptibility, Main Well rated automatically high for IOCs, VOCs, SOCs, and moderate for microbial bacteria. System construction rated moderate and hydrologic sensitivity rated high for the well. Land use rated high for IOCs, VOCs, SOCs, and microbials (Table 1).

No SOCs, VOCs, or microbial bacteria have ever been detected in the well's tested water. Traces of the IOCs barium, fluoride, and nitrate have been detected in the well. Despite existing in a county with high nitrogen fertilizer use, high herbicide use, and high agricultural chemical use, nitrate has only been detected in concentrations less than 2.6 ppm. The MCL for nitrate is 10 ppm. A priority area for the IOC nitrate and the SOC Atrazine exists within delineated area.

Section 4. Options for Drinking Water Protection

The susceptibility assessment should be used as a basis for determining appropriate new protection measures or re-evaluating existing protection efforts. No matter what the susceptibility ranking a source receives, protection is always important. Whether the source is currently located in a "pristine" area or an area with numerous industrial and/or agricultural land uses that require surveillance, the way to ensure good water quality in the future is to act now to protect valuable water supply resources.

An effective drinking water protection program is tailored to the particular local drinking water protection area. A community with a fully developed drinking water protection program will incorporate many strategies. For Yellowstone Plastics, drinking water protection activities should first focus on correcting any deficiencies outlined in the sanitary survey. Actions should be taken to keep a 50-foot radius circle clear around the wellheads. Any spills within the delineation should be carefully monitored and dealt with. As much of the designated protection area is outside the direct jurisdiction Yellowstone Plastics, making collaboration and partnerships with state and local agencies and industry groups are critical to the success of drinking water protection. The well should maintain sanitary standards regarding wellhead protection.

Due to the time involved with the movement of ground water, drinking water protection activities should be aimed at long-term management strategies even though these strategies may not yield results in the near term. A public education program should be a primary focus of any drinking water protection plan as the delineation is near residential land uses areas. Public education topics could include proper household hazardous waste disposal methods, proper care and maintenance of septic systems, and the importance of water conservation to name but a few. There are multiple resources

available to help communities implement protection programs, including the Drinking Water Academy of the EPA.

A community must incorporate a variety of strategies in order to develop a comprehensive drinking water protection plan, be they regulatory in nature (i.e. zoning, permitting) or non-regulatory in nature (i.e. good housekeeping, public education, specific best management practices). For assistance in developing protection strategies please contact the Idaho Falls Regional Office of the DEQ or the Idaho Rural Water Association.

Assistance

Public water suppliers and others may call the following DEQ offices with questions about this assessment and to request assistance with developing and implementing a local protection plan. In addition, draft protection plans may be submitted to the DEQ office for preliminary review and comments.

Idaho Falls Regional DEQ Office (208) 528-2650

State DEQ Office (208) 373-0502

Website: <http://www.state.id.us/deq>

Water suppliers serving fewer than 10,000 persons may contact Melinda Harper (mlharper@idahoruralwater.com), Idaho Rural Water Association, at 1-208-343-7001 for assistance with drinking water protection (formerly wellhead protection) strategies.

POTENTIAL CONTAMINANT INVENTORY

LIST OF ACRONYMS AND DEFINITIONS

AST (Aboveground Storage Tanks) – Sites with aboveground storage tanks.

Business Mailing List – This list contains potential contaminant sites identified through a yellow pages database search of standard industry codes (SIC).

CERCLIS – This includes sites considered for listing under the **Comprehensive Environmental Response Compensation and Liability Act (CERCLA)**. CERCLA, more commonly known as ASuperfund, is designed to clean up hazardous waste sites that are on the national priority list (NPL).

Cyanide Site – DEQ permitted and known historical sites/facilities using cyanide.

Dairy – Sites included in the primary contaminant source inventory represent those facilities regulated by Idaho State Department of Agriculture (ISDA) and may range from a few head to several thousand head of milking cows.

Deep Injection Well – Injection wells regulated under the Idaho Department of Water Resources generally for the disposal of stormwater runoff or agricultural field drainage.

Enhanced Inventory – Enhanced inventory locations are potential contaminant source sites added by the water system. These can include new sites not captured during the primary contaminant inventory, or corrected locations for sites not properly located during the primary contaminant inventory. Enhanced inventory sites can also include miscellaneous sites added by the Idaho Department of Environmental Quality (DEQ) during the primary contaminant inventory.

Floodplain – This is a coverage of the 100year floodplains.

Group 1 Sites – These are sites that show elevated levels of contaminants and are not within the priority one areas.

Inorganic Priority Area – Priority one areas where greater than 25% of the wells/springs show constituents higher than primary standards or other health standards.

Landfill – Areas of open and closed municipal and non-municipal landfills.

LUST (Leaking Underground Storage Tank) – Potential contaminant source sites associated with leaking underground storage tanks as regulated under RCRA.

Mines and Quarries – Mines and quarries permitted through the Idaho Department of Lands.)

Nitrate Priority Area – Area where greater than 25% of

wells/springs show nitrate values above 5mg/l.

NPDES (National Pollutant Discharge Elimination System) – Sites with NPDES permits. The Clean Water Act requires that any discharge of a pollutant to waters of the United States from a point source must be authorized by an NPDES permit.

Organic Priority Areas – These are any areas where greater than 25 % of wells/springs show levels greater than 1% of the primary standard or other health standards.

Recharge Point – This includes active, proposed, and possible recharge sites on the Snake River Plain.

RICRIS – Site regulated under **Resource Conservation Recovery Act (RCRA)**. RCRA is commonly associated with the cradle to grave management approach for generation, storage, and disposal of hazardous wastes.

SARA Tier II (Superfund Amendments and Reauthorization Act Tier II Facilities) – These sites store certain types and amounts of hazardous materials and must be identified under the Community Right to Know Act.

Toxic Release Inventory (TRI) – The toxic release inventory list was developed as part of the Emergency Planning and Community Right to Know (Community Right to Know) Act passed in 1986. The Community Right to Know Act requires the reporting of any release of a chemical found on the TRI list.

UST (Underground Storage Tank) – Potential contaminant source sites associated with underground storage tanks regulated as regulated under RCRA.

Wastewater Land Applications Sites – These are areas where the land application of municipal or industrial wastewater is permitted by DEQ.

Wellheads – These are drinking water well locations regulated under the Safe Drinking Water Act. They are not treated as potential contaminant sources.

NOTE: Many of the potential contaminant sources were located using a geocoding program where mailing addresses are used to locate a facility. Field verification of potential contaminant sources is an important element of an enhanced inventory.

Where possible, a list of potential contaminant sites unable to be located with geocoding will be provided to water systems to determine if the potential contaminant sources are located within the source water assessment area.

References Cited

- Great Lakes-Upper Mississippi River Board of State and Provincial Public Health and Environmental Managers, 1997. "Recommended Standards for Water Works."
- Idaho Department of Environmental Quality, 1997. Design Standards for Public Drinking Water Systems. IDAPA 58.01.08.550.01.
- Idaho Department of Water Resources, 1993. Administrative Rules of the Idaho Water Resource Board: Well Construction Standards Rules. IDAPA 37.03.09.
- Idaho Division of Environmental Quality, 1999, Idaho Source Water Assessment Plan, October, 39 p.
- Idaho Division of Environmental Quality, 1997, Idaho Wellhead Protection Plan, Idaho Wellhead Protection Work Group, February.
- Idaho Department of Water Resources. Well Log for tag number 0024639
- Idaho Department of Water Resources. Well Log for tag number Woodrow Arrington, 1955
- Washington Group International (WGI), 2001. Source Area Delineation Report Upper Eastern Snake River Plain Hydrologic Province July 2001.

Appendix A

Yellowstone Plastics Susceptibility Analysis Worksheet

The final scores for the susceptibility analysis were determined using the following formulas:

- 1) VOC/SOC/IOC Final Score = Hydrologic Sensitivity + System Construction + (Potential Contaminant/Land Use x 0.2)
- 2) Microbial Final Score = Hydrologic Sensitivity + System Construction + (Potential Contaminant/Land Use x 0.375)

Final Susceptibility Scoring:

0 - 5 Low Susceptibility

6 - 12 Moderate Susceptibility

≥ 13 High Susceptibility

Hydrologic Sensitivity Worksheet

Do the soils belong to drainage classes in the poorly drained through moderately well drained categories?	<input type="radio"/> Yes <input checked="" type="radio"/> No	<u>Value</u> 2
Is the vadose zone composed predominantly of gravel, fractured rock; or is unknown?	<input type="radio"/> Yes <input checked="" type="radio"/> No	0
Is the depth to first groundwater greater than 300 feet?	<input type="radio"/> Yes <input checked="" type="radio"/> No	1
Is an aquitard present with silt/clay or sedimentary interbeds within basalt with greater than 50 feet cumulative thickness?	<input type="radio"/> Yes <input checked="" type="radio"/> No	2

Hydrologic Sensitivity Score = 5

Final Hydrologic Sensitivity Ranking = High Hydrologic Sensitivity Score (5 to 6 points)

<u>Potential Contaminant Source/Land Use Worksheet</u>							
Land Use/Zone							
IA					IOC Score	VOC Score	SOC Score
Land Use (Pick the Predominant Land Type)	Irrigated Cropland	▼			2	2	2
Is Farm Chemical Use High or Unknown? (Answer No if (1) = Urban/Commercial)	<input checked="" type="radio"/> Yes <input type="radio"/> No				Complete Step 2a		
Indicate appropriate chemical category	<input checked="" type="checkbox"/> IOCs <input type="checkbox"/> VOCs <input checked="" type="checkbox"/> SOCs				2	0	2
Are IOC, VOC, SOC, Microbial or Radionuclide contaminant sources Present in Zone IA? <u>OR</u> Have SOC/VOC contaminants been detected in the well? <u>OR</u> have IOC contaminants been detected above MCL levels in the well? If Yes, please check the appropriate chemical	<input checked="" type="radio"/> Yes <input type="radio"/> No <input checked="" type="checkbox"/> IOCs <input checked="" type="checkbox"/> VOCs <input checked="" type="checkbox"/> SOCs <input type="checkbox"/> Microbials						
			Land Use Subtotal		4	2	4
							2

Zone II					IOC Score	VOC Score	SOC Score	Microbial Score
Are Contaminant Sources Present in Zone II?	<input checked="" type="radio"/> Yes	<input type="radio"/> No		Complete Step 9a				
What types of chemicals?	<input checked="" type="checkbox"/> IOCs	<input checked="" type="checkbox"/> VOCs			2	2	2	0
	<input checked="" type="checkbox"/> SOCs							
Are there Sources of Class II or III Leachable Contaminants in Zone II?	<input checked="" type="radio"/> Yes	<input type="radio"/> No		Complete Step 10a				
What type of contaminant?	<input checked="" type="checkbox"/> IOCs	<input checked="" type="checkbox"/> VOCs			1	1	1	0
	<input checked="" type="checkbox"/> SOCs							
Pick the Best Description of the Amount and Type of Agricultural Land in Zone II.	Greater Than 50 % Irrigated Agricultural Land		▼		2	2	2	0
Zone II Subtotal					5	5	5	0

Zone III					IOC Score	VOC Score	SOC Score	Microbial Score
Contaminant Sources Present in Zone III?	<input checked="" type="radio"/> Yes	<input type="radio"/> No		Complete Step 12a				
What types of contaminant?	<input checked="" type="checkbox"/> IOCs	<input checked="" type="checkbox"/> VOCs			1	1	1	0
	<input checked="" type="checkbox"/> SOCs							
Are there Sources of Class II or III Leachable Contaminants in Zone III?	<input checked="" type="radio"/> Yes	<input type="radio"/> No		Complete Step 13a				
What types of contaminants?	<input checked="" type="checkbox"/> IOCs	<input checked="" type="checkbox"/> VOCs			1	1	1	0
	<input checked="" type="checkbox"/> SOCs							
Is there Irrigated Agricultural Land That Occupies > 50% of Zone III?	<input checked="" type="radio"/> Yes	<input type="radio"/> No			1	1	1	0
Zone III Subtotal					3	3	3	0

					IOC Score	VOC Score	SOC Score	Microbial Score
Community and Non-Community, Non-Transient System Contaminant Source/Land Use Score					30	26	30	14
Final Community/NC-NT System Ranking					IOC Score = High Contaminant/Land Use Score (21 to 30 points)			
					VOC Score = High Contaminant/Land Use Score (21 to 30 points)			
					SOC Score = High Contaminant/Land Use Score (21 to 30 points)			
					Microbial Score = Moderate Contaminant/Land Use Score (11 to 20 points)			

Source Construction Worksheet

Well Drill Date

Input Date **August 13, 1999**

Well Drillers Log Available?

☒ Yes ☐ No

Sanitary Survey Available? If Yes, for what year?

☒ Yes ☐ No

Year

2001

Are current IDWR well construction standards being met?

☐ Yes ☒ No

Value

1

Is the wellhead and surface seal maintained in good condition?

☒ Yes ☐ No

0

Do the casing and annular seal extend to a low permeability unit?

☒ Yes ☐ No

0

Is the highest production interval of the well at least 100 feet below the static water level?

☐ Yes ☒ No

1

Is the well located outside the 100 year floodplain and is it protected from surface runoff?

☒ Yes ☐ No

0

Source Construction Score = 2

Final Source Construction Ranking = Moderate Source Construction Score (2 to 4 points)

Public Water System Name: Yellowstone Plastics

Public Water System

Number: 71001

88

Well Number: Main Well

Date:

5/24/2

004

Person Conducting Richard Lee

Assessment:

SWA Susceptibility
Rating Sheet

Zone IA Susceptability

Rating

Warning: IOC Contaminants

Due to specific conditions found in Zone IA this well has been assigned a High overall susceptibility for:

This rating is based on: (1)The presence of contaminant sources in Zone IA or (2)The detection of specific SOC/VOC chemicals in the well or (3)The detection of specific IOC chemicals above MCL levels in the well.

VOC Contaminants

Public Water Systems may petition IDEQ to revise susceptibility rating based on elimination of contaminant sources or other site-specific factors.

SOC Contaminants

Community and Noncommunity- Nontransient Sources	<u>IOC Score</u>	<u>SOC Score</u>	<u>VOC Score</u>
Hydrologic Sensitivity Score =	5	5	5
Potential Contaminant Source/Land Use Score X 0.20 =	6	6	5
Source Construction Score =	2	2	2
Total	13	13	12
FINAL WELL RANKING			
IOC Ranking is High (13 to 18 points)			
SOC Ranking is High (13 to 18 points)			

VOC Ranking is High (13 to 18 points)

Microbial Susceptibility Rating	<u>Score</u>
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<i>Hydrologic Sensitivity Score =</i>	5
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<i>Potential Contaminant Source/Land Use Score X 0.375 =</i>	5
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<i>Source Construction Score =</i>	2
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Total	12
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FINAL WELL RANKING

Microbial Ranking is Moderate (6 to 12 points)

Appendix B

Table 2 Potential Contaminant Inventory

Table 2. Yellowstone Plastics, Main Well, Potential Contaminant Inventory

SITE	Source Description ¹	TOT ² ZONE	Source of Information	Potential Contaminants ³
1, 21	UST Site, LUST Site, Site Cleanup Completed , Impact: groundwater	3 YR	Database Search	VOC, SOC
2, 68	UST Site, LUST Site, Local Government , Impact: Open	3 YR	Database Search	VOC, SOC
3, 20	LUST Site, UST Site, Site Cleanup Completed , Impact: Unknown	3 YR	Database Search	VOC, SOC
4	LUST Site, Site Cleanup Completed , Impact: Unknown	3 YR	Database Search	VOC, SOC
5, 30	UST Site, LUST Site, Site Cleanup Completed , Impact: Unknown	3 YR	Database Search	VOC, SOC
6, 77	UST Site, LUST Site, Industrial , Impact: Closed; Site Cleanup Completed , Impact: Unknown	3 YR	Database Search	VOC, SOC
7	LUST Site, Site Cleanup Completed , Impact: Unknown	3 YR	Database Search	VOC, SOC
8, 17	UST Site, LUST Site, Gas Station , Impact: Open	3 YR	Database Search	VOC, SOC
9, 69	LUST Site, UST Site, Site Cleanup Completed , Impact: Unknown	3 YR	Database Search	VOC, SOC
10	UST Site, Contractor , Impact: Closed	3 YR	Database Search	VOC, SOC
11	UST Site, Gas Station , Impact: Closed	3 YR	Database Search	VOC, SOC
12	UST Site, Other , Impact: Closed	3 YR	Database Search	VOC, SOC
13, 437	SARA Site, UST Site, Commercial , Impact: Closed	3 YR	Database Search	VOC, SOC
14	UST Site, Farm , Impact: Closed	3 YR	Database Search	VOC, SOC
15	UST Site, Gas Station , Impact: Open	3 YR	Database Search	VOC, SOC
16	UST Site, Gas Station , Impact: Open	3 YR	Database Search	VOC, SOC
18, 447, 459	UST Site, SARA Site, AST Site, Gas Station , Impact: Closed	3 YR	Database Search	VOC, SOC
19	UST Site, Farm , Impact: Closed	3 YR	Database Search	VOC, SOC
22, 445	SARA Site, UST Site, Gas Station , Impact: Open	3 YR	Database Search	VOC, SOC
23	UST Site, Farm , Impact: Open	3 YR	Database Search	VOC, SOC
24	UST Site, Federal Military , Impact: Open	3 YR	Database Search	VOC, SOC
25	UST Site, Contractor , Impact: Closed	3 YR	Database Search	VOC, SOC
26, 47	UST Site, Gas Station , Impact: Closed	3 YR	Database Search	VOC, SOC
27	UST Site, Commercial , Impact: Closed	3 YR	Database Search	VOC, SOC
28	UST Site, Truck/Transporter , Impact: Closed	3 YR	Database Search	VOC, SOC
29	UST Site, Gas Station , Impact: Open	3 YR	Database Search	VOC, SOC
31	UST Site, Gas Station , Impact: Open	3 YR	Database Search	VOC, SOC
32	UST Site, Other , Impact: Closed	3 YR	Database Search	VOC, SOC
33	UST Site, Local Government ,	3 YR	Database Search	VOC, SOC

	Impact: Closed		
34	UST Site, Gas Station , Impact: Closed	3 YR	Database Search VOC, SOC
35	UST Site, Gas Station , Impact: Closed	3 YR	Database Search VOC, SOC
36	UST Site, Petroleum Distributor , Impact: Closed	3 YR	Database Search VOC, SOC
37	UST Site, Not Listed , Impact: Open	3 YR	Database Search SOCVOC
38	UST Site, Not Listed , Impact: Open	3 YR	Database Search VOC, SOC
39, 82, 329	BML, UST Site, Truck/Transporter , Impact: Closed	3 YR	Database Search IOC, VOC, SOC
40	UST Site, Contractor , Impact: Closed	3 YR	Database Search VOC, SOC
41	UST Site, Not Listed , Impact: Closed	3 YR	Database Search VOC, SOC
42	UST Site, Not Listed , Impact: Closed	3 YR	Database Search VOC, SOC
43	UST Site, Not Listed , Impact: Closed	3 YR	Database Search VOC, SOC
44	UST Site, Not Listed , Impact: Open	3 YR	Database Search VOC, SOC
45, 129	BML Site, UST Site, Service Stations-Gasoline & Oil Gas Station , Impact: Closed	3 YR	Database Search VOC, SOC
46, 463	UST Site, AST Site, Gas Station , Impact: Open	3 YR	Database Search VOC, SOC
48	UST Site, Farm , Impact: Closed	3 YR	Database Search VOC, SOC
49	UST Site, Other , Impact: Closed	3 YR	Database Search VOC, SOC
50	UST Site, Not Listed , Impact: Open	3 YR	Database Search VOC, SOC
51	UST Site, Gas Station , Impact: Closed	3 YR	Database Search VOC, SOC
52	UST Site, Other , Impact: Closed	3 YR	Database Search VOC, SOC
53, 374	RCRA Site, UST Site, Not Listed , Impact: Closed	3 YR	Database Search VOC, SOC
54	UST Site, Gas Station , Impact: Open	3 YR	Database Search VOC, SOC
55	UST Site, Gas Station , Impact: Closed	3 YR	Database Search VOC, SOC
56	UST Site, Gas Station , Impact: Closed	3 YR	Database Search VOC, SOC
57	UST Site, Other , Impact: Closed	3 YR	Database Search VOC, SOC
58	UST Site, Not Listed , Impact: Open	3 YR	Database Search VOC, SOC
59	UST Site, Not Listed , Impact: Closed	3 YR	Database Search VOC, SOC
60	UST Site, Commercial , Impact: Closed	3 YR	Database Search IOC, VOC, SOC
61	UST Site, Other , Impact: Closed	3 YR	Database Search VOC, SOC
62	UST Site, Gas Station , Impact: Closed	3 YR	Database Search VOC, SOC
63, 172	BML Site, UST Site, Storage-Household & Commercial,	3 YR	Database Search IOC, VOC, SOC, Microbials

	Commercial , Impact: Closed		
64	UST Site, Local Government , Impact: Closed	3 YR	Database Search VOC, SOC
65	UST Site, Local Government , Impact: Closed	3 YR	Database Search VOC, SOC
66	UST Site, Other , Impact: Closed	3 YR	Database Search VOC, SOC
67	UST Site, Other , Impact: Closed	3 YR	Database Search VOC, SOC
70, 439	SARA Site, UST Site, Other , Impact: Closed	3 YR	Database Search VOC, SOC
71	UST Site, Other , Impact: Closed	3 YR	Database Search VOC, SOC
72, 375, 449	UST Site, SARA Site, RCRA Site, Other , Impact: Closed	3 YR	Database Search VOC, SOC
73	UST Site, Gas Station , Impact: Open	3 YR	Database Search VOC, SOC
74	UST Site, Other , Impact: Open	3 YR	Database Search VOC, SOC
75, 339	Laundry, UST Site, Gas Station , Impact: Open	3 YR	Database Search IOC, VOC, SOC, Microbials
76	UST Site, Gas Station , Impact: Open	3 YR	Database Search VOC, SOC
78	UST Site, Gas Station , Impact: Open	3 YR	Database Search VOC, SOC
79	UST Site, Gas Station , Impact: Closed	3 YR	Database Search VOC, SOC
80	UST Site, Gas Station , Impact: Open	3 YR	Database Search VOC, SOC
81	UST Site, Local Government , Impact: Closed	3 YR	Database Search VOC, SOC
83	UST Site, Commercial , Impact: Closed	3 YR	Database Search VOC, SOC
84	UST Site, Gas Station , Impact: Open	3 YR	Database Search VOC, SOC
85	UST Site, Other , Impact: Closed	3 YR	Database Search VOC, SOC
86	UST Site, Gas Station , Impact: Closed	3 YR	Database Search VOC, SOC
87, 441	SARA Site, UST Site, Gas Station , Impact: Open	3 YR	Database Search IOC, VOC, SOC
88	UST Site, Commercial , Impact: Closed	3 YR	Database Search VOC, SOC
89	Dairy, 1148 Cows	3 YR	Database Search IOC, Microbials
90	Dairy, 900 Cows	3 YR	Database Search IOC, Microbials
91	BML Site, Potatoes-Processed	3 YR	Database Search IOC, VOC, SOC, Microbials
92	BML Site, Automobile Detail & Clean-Up Service	3 YR	Database Search IOC, VOC, SOC
93	BML Site, Automobile Customized	3 YR	Database Search IOC, VOC, SOC
94	BML Site, Packaging Machinery-Wholesale	3 YR	Database Search IOC, VOC, SOC
95	BML Site, Springs-Automotive-Sales & Service	3 YR	Database Search IOC, VOC, SOC
96	BML Site, Farm Supplies (Wholesale)	3 YR	Database Search IOC, VOC, SOC, Microbials
97	BML Site, Wood Products-Manufacturers	3 YR	Database Search IOC, VOC, SOC
98	BML Site, Bags-Plastic (Manufacturers)	3 YR	Database Search IOC, VOC, SOC

99	BML Site, Sausages/Other Prepared Meat Products	3 YR	Database Search	IOC, VOC, SOC, Microbials
100	BML Site, Printers	3 YR	Database Search	IOC, VOC, SOC
101	BML Site, Home Improvements	3 YR	Database Search	IOC, VOC, SOC
102	BML Site, Paving Contractors	3 YR	Database Search	IOC, VOC, SOC
103	BML Site, Paint-Retail	3 YR	Database Search	IOC, VOC, SOC
104	BML Site, Carpet & Rug Cleaners	3 YR	Database Search	IOC, VOC, SOC, Microbials
105	BML Site, Tire-Dealers-Retail	3 YR	Database Search	IOC, VOC, SOC
106	BML Site, Bicycles-Dealers	3 YR	Database Search	IOC, VOC, SOC
107	BML Site, Building Contractors	3 YR	Database Search	IOC, VOC, SOC
108	BML Site, General Contractors	3 YR	Database Search	IOC, VOC, SOC
109	BML Site, Automobile Radiator-Repairing	3 YR	Database Search	IOC, VOC, SOC
110	BML Site, Motorcycles & Motor Scooters-Dealer	3 YR	Database Search	IOC, VOC, SOC
111	BML Site, Fur Farms	3 YR	Database Search	IOC, VOC, SOC, Microbials
112	BML Site, Automobile Repairing & Service	3 YR	Database Search	IOC, VOC, SOC
113	BML Site, Funeral Directors	3 YR	Database Search	IOC, VOC, SOC
114	BML Site, Funeral Directors	3 YR	Database Search	IOC, VOC, SOC
115	BML Site, General Contractors	3 YR	Database Search	IOC, VOC, SOC
116	BML Site, Automobile Restoration-Antique & Classic	3 YR	Database Search	IOC, VOC, SOC
117	BML Site, Automobile Repairing & Service	3 YR	Database Search	IOC, VOC, SOC
118	BML Site, Newspapers (Publishers)	3 YR	Database Search	IOC, VOC
119	BML Site, Logging	3 YR	Database Search	IOC, VOC, SOC
120	BML Site, Boat Dealers	3 YR	Database Search	IOC, VOC, SOC
121	BML Site, Automobile Body-Repairing & Painting	3 YR	Database Search	IOC, VOC, SOC
122	BML Site, Car Washing & Polishing	3 YR	Database Search	IOC, VOC, SOC, Microbials
123	BML Site, Automobile Dealers-Used Cars	3 YR	Database Search	IOC, VOC, SOC
124	BML Site, Laboratories-Dental	3 YR	Database Search	IOC, VOC, SOC, Microbials
125	BML Site, Fertilizers (Wholesale)	3 YR	Database Search	IOC, VOC, SOC, Microbials
126	BML Site, Automobile Body-Repairing & Painting	3 YR	Database Search	IOC, VOC, SOC
127	BML Site, Automobile Parts & Supplies-Retail	3 YR	Database Search	IOC, VOC, SOC
128	BML Site, Store Fronts	3 YR	Database Search	IOC, VOC, SOC
130	BML Site, Pet Services	3 YR	Database Search	IOC, VOC, SOC, Microbials
131	BML Site, Automobile Body-Repairing & Painti	3 YR	Database Search	IOC, VOC, SOC
132	BML Site, Automobile Repairing & Service	3 YR	Database Search	IOC, VOC, SOC
133	BML Site, Laboratories-Dental	3 YR	Database Search	IOC, VOC, SOC, Microbials
134	BML Site, Photo Finishing-Retail	3 YR	Database Search	IOC, VOC, SOC
135	BML Site, Signs (Manufacturers)	3 YR	Database Search	IOC, VOC, SOC
136	BML Site, Funeral Directors	3 YR	Database Search	IOC, VOC, SOC
137	BML Site, Welding	3 YR	Database Search	IOC, VOC, SOC
138	BML Site, Offset Photo Engraver	3 YR	Database Search	IOC, VOC, SOC
139	BML Site, Electric Equipment &	3 YR	Database Search	IOC, VOC, SOC

	Supplies-Wholesale		
140	BML Site, Culverts	3 YR	Database Search IOC, VOC, SOC
141	BML Site, Well Drilling	3 YR	Database Search IOC, VOC, SOC
142	BML Site, Car Washing & Polishing	3 YR	Database Search IOC, VOC, SOC, Microbials
143	BML Site, Labels-Paper (Manufacturers)	3 YR	Database Search IOC, VOC, SOC
144	BML Site, Automobile Repairing & Service	3 YR	Database Search IOC, VOC, SOC
145	BML Site, Electric Equipment & Supplies-Wholesale	3 YR	Database Search IOC, VOC, SOC
146, 377	BML Site, RCRA Site, Cleaners	3 YR	Database Search IOC, VOC, SOC
147	BML Site, Mechanical Contractors	3 YR	Database Search IOC, VOC, SOC
148	BML Site, Lawn Mowers- Sharpening & Repairing	3 YR	Database Search IOC, VOC, SOC
149	BML Site, Automobile Body- Repairing & Painting	3 YR	Database Search IOC, VOC, SOC
150	BML Site, Decals (Manufacturers)	3 YR	Database Search IOC, VOC, SOC
151	BML Site, Janitors Supplies (Wholesale)	3 YR	Database Search IOC, VOC, SOC
152	BML Site, Laboratories-Dental	3 YR	Database Search IOC, VOC, SOC, Microbials
153	BML Site, Laboratories-Dental	3 YR	Database Search IOC, VOC, SOC, Microbials
154	BML Site, Fire Damage Restoration	3 YR	Database Search IOC, VOC, SOC
155	BML Site, Converted Paper/Paperboard Products	3 YR	Database Search IOC, VOC, SOC
156	BML Site, Goldsmiths & Silversmiths	3 YR	Database Search IOC, VOC, SOC
157	BML Site, Automobile Body- Repairing & Painting	3 YR	Database Search IOC, VOC, SOC
158	BML Site, Printers	3 YR	Database Search IOC, VOC, SOC
159	BML Site, Landscape Contractors	3 YR	Database Search IOC, VOC, SOC, Microbials
160	BML Site, Motorcycles & Motor Scooters-Repair	3 YR	Database Search IOC, VOC, SOC
161	BML Site, Recreational Vehicles- Repairing	3 YR	Database Search IOC, VOC, SOC
162	BML Site, Veterinarians	3 YR	Database Search IOC, VOC, SOC, Microbials
163	BML Site, Taxicabs	3 YR	Database Search IOC, VOC, SOC
164	BML Site, Water Treatment Equip Service & Supplies	3 YR	Database Search IOC, VOC, SOC
165	BML Site, Machine Shops	3 YR	Database Search IOC, VOC, SOC
166	BML Site, Drapery & Curtain Cleaners	3 YR	Database Search IOC, VOC, SOC
167	BML Site, Electric Equipment & Supplies-Wholesale	3 YR	Database Search IOC, VOC, SOC
168	BML Site, Automobile Repairing & Service	3 YR	Database Search IOC, VOC, SOC
169	BML Site, Movers	3 YR	Database Search IOC, VOC, SOC, Microbials
170	BML Site, Plants-Interior Design & Maintenance	3 YR	Database Search IOC, VOC, SOC, Microbials
171	BML Site, Janitor Service	3 YR	Database Search IOC, VOC, SOC, Microbials
173	BML Site, Water & Sewage Companies-Utility	3 YR	Database Search IOC, VOC, SOC, Microbials
174	BML Site, Candy & Confectionery-Manufacturer	3 YR	Database Search IOC, VOC, SOC, Microbials

175	BML Site, Oils-Fuel (Wholesale)	3 YR	Database Search	IOC, VOC
176	BML Site, Welding	3 YR	Database Search	IOC, VOC, SOC
177	BML Site, Sun Rooms	3 YR	Database Search	IOC, VOC, SOC
178	BML Site, Home Builders	3 YR	Database Search	IOC, VOC, SOC
179	BML Site, Photographic Equipment-Repairing	3 YR	Database Search	IOC, VOC, SOC
180	BML Site, Paving Contractors	3 YR	Database Search	IOC, VOC, SOC
181	BML Site, Potato Harvesting/Planting Equipment	3 YR	Database Search	IOC, VOC, SOC, Microbials
182	BML Site, General Contractors	3 YR	Database Search	IOC, VOC, SOC
183	BML Site, General Contractors	3 YR	Database Search	IOC, VOC, SOC
184	BML Site, Foods-Frozen-Manufacturers	3 YR	Database Search	IOC, VOC, SOC
185	BML Site, Signs (Manufacturers)	3 YR	Database Search	IOC, VOC, SOC
186	BML Site, Millwork (Manufacturers)	3 YR	Database Search	IOC, VOC, SOC
187	BML Site, General Contractors	3 YR	Database Search	IOC, VOC, SOC
188	BML Site, Tile-Ceramic-Contractors & Dealers	3 YR	Database Search	IOC, VOC, SOC
189	BML Site, Septic Tanks-Cleaning & Repairing	3 YR	Database Search	IOC, VOC, SOC, Microbials
190	BML Site, Photographers-Portrait	3 YR	Database Search	IOC, VOC, SOC
191	BML Site, Concrete Contractors	3 YR	Database Search	VOCIOC, SOC
192	BML Site, Carpet & Rug Cleaners	3 YR	Database Search	IOC, VOC, SOC, Microbials
193	BML Site, Janitor Service	3 YR	Database Search	IOC, VOC, SOC, Microbials
194	BML Site, Laboratories-Dental	3 YR	Database Search	IOC, VOC, SOC, Microbials
195	BML Site, Hydraulic Equipment & Supplies	3 YR	Database Search	IOC, VOC, SOC
196	BML Site, Water Treatment Equip Service & Supplies	3 YR	Database Search	IOC, VOC, SOC
197	BML Site, Hospitals	3 YR	Database Search	IOC, VOC, SOC, Microbials
198	BML Site, Water & Sewage Companies-Utility	3 YR	Database Search	IOC, VOC, SOC, Microbials
199	BML Site, Snow Removal Service	3 YR	Database Search	IOC, VOC, SOC
200	BML Site, Trailer-Manufacturers	3 YR	Database Search	IOC, VOC, SOC
201	BML Site, Prefabricated Metal Buildings	3 YR	Database Search	IOC, VOC, SOC
202	BML Site, Steel Erectors	3 YR	Database Search	IOC, VOC, SOC
203	BML Site, Farm Supplies (Wholesale)	3 YR	Database Search	IOC, VOC, SOC
204	BML Site, Storage-Household & Commercial	3 YR	Database Search	IOC, VOC, SOC
205	BML Site, Sewage Disposal Systems	3 YR	Database Search	IOC, VOC, SOC, Microbials
206	BML Site, Excavating Contractors	3 YR	Database Search	IOC, VOC, SOC
207	BML Site, Automobile Repairing & Service	3 YR	Database Search	IOC, VOC, SOC
208	BML Site, Engravers-Glassware (Manufacturers)	3 YR	Database Search	IOC, VOC, SOC
209	BML Site, Cabinets-Manufacturers	3 YR	Database Search	IOC, VOC, SOC
210	BML Site, Publishers-Periodical	3 YR	Database Search	IOC, VOC, SOC
211	BML Site, Lawn Mowers	3 YR	Database Search	IOC, VOC, SOC
212	BML Site, Automobile Parts &	3 YR	Database Search	IOC, VOC, SOC

	Supplies-Wholesale		
213	BML Site, Plastics & Plastic Products (Mfrs)	3 YR	Database Search IOC, VOC, SOC
214	BML Site, Paving Contractors	3 YR	Database Search IOC, VOC, SOC
215	BML Site, Tire-Dealers-Retail	3 YR	Database Search IOC, VOC, SOC
216	BML Site, Transmissions-Automobile	3 YR	Database Search IOC, VOC, SOC
217	BML Site, Wheel Alignment-Frame & Axle Service	3 YR	Database Search IOC, VOC, SOC
218	BML Site, Printers	3 YR	Database Search IOC, VOC
219	BML Site, Home Builders	3 YR	Database Search IOC, VOC, SOC
220	BML Site, Drilling & Boring Contractors	3 YR	Database Search IOC, VOC, SOC
221	BML Site, Dairy Products-Wholesale	3 YR	Database Search IOC, VOC, SOC
222	BML Site, Typesetting (Manufacturers)	3 YR	Database Search IOC, VOC, SOC
223	BML Site, Trucking-Motor Freight	3 YR	Database Search IOC, VOC, SOC
224	BML Site, Concrete Contractors	3 YR	Database Search IOC, VOC, SOC
225	BML Site, Ornamental Metal Work (Manufacturer)	3 YR	Database Search IOC, VOC, SOC
226	BML Site, Storage-Household & Commercial	3 YR	Database Search IOC, VOC, SOC
227	BML Site, Trailers-Horse (Wholesale)	3 YR	Database Search IOC, VOC, SOC
228	BML Site, Trucking-Heavy Hauling	3 YR	Database Search IOC, VOC, SOC
229	BML Site, Livestock-Dealers (Wholesale)	3 YR	Database Search IOC, VOC, SOC
230	BML Site, State Government-National Security	3 YR	Database Search IOC, VOC, SOC
231	BML Site, Wrecker Service□	3 YR	Database Search IOC, VOC, SOC
232	BML Site, Landscape Contractors	3 YR	Database Search IOC, VOC, SOC, Microbials
233	BML Site, Veterinarians	3 YR	Database Search IOC, VOC, SOC, Microbials
234	BML Site, Farms	3 YR	Database Search IOC, VOC, SOC, Microbials
235	BML Site, Laboratories-Dental	3 YR	Database Search IOC, VOC, SOC, Microbials
236	BML Site, Veterinarians	3 YR	Database Search IOC, VOC, SOC, Microbials
237	BML Site, Artificial Limbs-Manufacturers	3 YR	Database Search IOC, VOC, SOC
238	BML Site, Veterinarians	3 YR	Database Search IOC, VOC, SOC, Microbials
239	BML Site, Photo Finishing-Retail	3 YR	Database Search IOC, VOC
240	BML Site, Service Stations-Gasoline & Oil	3 YR	Database Search IOC, VOC, SOC
241	BML Site, General Contractors	3 YR	Database Search IOC, VOC, SOC
242	BML Site, Water Works Equipment & Supplies	3 YR	Database Search IOC, VOC, SOC
243	BML Site, Grain Elevators	3 YR	Database Search IOC, Microbials
244	BML Site, General Contractors	3 YR	Database Search IOC, VOC, SOC
245	BML Site, Gas Companies	3 YR	Database Search IOC, VOC, SOC
246	BML Site, Barbers Equipment & Supplies	3 YR	Database Search IOC, VOC, SOC
247	BML Site, Photo Finishing-Retail	3 YR	Database Search IOC, VOC
248	BML Site, Pest Control	3 YR	Database Search IOC, VOC, SOC, Microbials

249	BML Site, Plastics-High Pressure Laminates	3 YR	Database Search	IOC, VOC, SOC
250	BML Site, Paint-Retail	3 YR	Database Search	IOC, VOC, SOC
251	BML Site, Automobile Body-Repairing & Painting	3 YR	Database Search	IOC, VOC, SOC
252	BML Site, Hardware-Wholesale	3 YR	Database Search	IOC, VOC, SOC
253	BML Site, Excavating Contractors	3 YR	Database Search	IOC, VOC, SOC
254	BML Site, Mold Makers	3 YR	Database Search	IOC, VOC, SOC
255	BML Site, Printers	3 YR	Database Search	IOC, VOC
256	BML Site, Automobile Detail & Clean-Up Service	3 YR	Database Search	IOC, VOC, SOC
257	BML Site, Automobile Repairing & Service	3 YR	Database Search	IOC, VOC, SOC
258	BML Site, Relays & Industrial Controls (Mfrs)	3 YR	Database Search	IOC, VOC, SOC
259	BML Site, Snow Removal Equipment-Retail	3 YR	Database Search	IOC, VOC, SOC
260	BML Site, General Contractors	3 YR	Database Search	IOC, VOC, SOC
261	BML Site, General Contractors	3 YR	Database Search	IOC, VOC, SOC
262	BML Site, Industrial Measuring/Control Instruments	3 YR	Database Search	IOC, VOC, SOC
263	BML Site, Rental Service-Stores & Yards	3 YR	Database Search	IOC, VOC, SOC
264	BML Site, Home Builders	3 YR	Database Search	IOC, VOC, SOC
265	BML Site, Automobile Repairing & Service	3 YR	Database Search	IOC, VOC, SOC
266	BML Site, Four Wheel Drive-Repairing & Service	3 YR	Database Search	IOC, VOC, SOC
267	BML Site, Landscape Contractors	3 YR	Database Search	IOC, VOC, SOC, Microbials
268	BML Site, Storage-Household & Commercial	3 YR	Database Search	IOC, VOC, SOC
269	BML Site, General Contractors	3 YR	Database Search	IOC, VOC, SOC
270	BML Site, Brick-Clay Common & Face-Manufacturer	3 YR	Database Search	IOC, VOC
271	BML Site, Automobile Repairing & Service	3 YR	Database Search	IOC, VOC, SOC
272	BML Site, Florists-Supplies (Wholesale)	3 YR	Database Search	IOC, SOC
273, 386	BML Site, RCRA Site, Electric Motors-Dlrs/Repairing	3 YR	Database Search	IOC, VOC, SOC
274	BML Site, Truck Renting & Leasing	3 YR	Database Search	IOC, VOC, SOC
275	BML Site, Automobile Repairing & Service	3 YR	Database Search	IOC, VOC, SOC
276	BML Site, Photographers-Portrait	3 YR	Database Search	IOC, VOC
277	BML Site, Paint-Retail	3 YR	Database Search	IOC, VOC, SOC
278	BML Site, General Contractors	3 YR	Database Search	IOC, VOC, SOC
279	BML Site, Signs (Manufacturers)	3 YR	Database Search	IOC, VOC
280, 446	BML Site, SARA Site, Fertilizers (Wholesale)	3 YR	Database Search	IOC, VOC, SOC
281	BML Site, Bathtubs & Sinks-Repairing & Refinishing	3 YR	Database Search	IOC, VOC, SOC
282	BML Site, Laboratories-Medical	3 YR	Database Search	IOC, VOC, SOC, Microbials
283	BML Site, Photographers-Portrait	3 YR	Database Search	IOC, VOC

284	BML Site, Car Washing & Polishing	3 YR	Database Search	IOC, VOC, SOC
285	BML Site, Washers-Pressure	3 YR	Database Search	IOC, VOC, SOC, Microbials
286	BML Site, Electric Equipment & Supplies-Wholesale	3 YR	Database Search	IOC, VOC, SOC
287	BML Site, Machine Shops	3 YR	Database Search	IOC, VOC, SOC
288	BML Site, Tile-Ceramic-Contractors & Dealers	3 YR	Database Search	IOC, VOC, SOC
289, 290	BML Site, Automobile Radiator-Repairing	3 YR	Database Search	IOC, VOC, SOC
291	BML Site, Veterinarians	3 YR	Database Search	IOC, SOC, Microbials
292	BML Site, Puzzles (Manufacturers)	3 YR	Database Search	IOC, VOC, SOC
293	BML Site, Automobile Repairing & Service	3 YR	Database Search	IOC, VOC, SOC
294	BML Site, Campgrounds	3 YR	Database Search	IOC, VOC, SOC, Microbials
295	BML Site, Veterinarians	3 YR	Database Search	IOC, SOC, Microbials
296	BML Site, Car Washing & Polishing	3 YR	Database Search	IOC, VOC, SOC
297	BML Site, Painters	3 YR	Database Search	IOC, VOC, SOC
298	BML Site, Automobile Dealers-Used Cars	3 YR	Database Search	IOC, VOC, SOC
299	BML Site, Automobile Repairing & Service	3 YR	Database Search	IOC, VOC, SOC
300	BML Site, Cleaners	3 YR	Database Search	IOC, VOC, SOC, Microbials
301	BML Site, Laboratories-Medical	3 YR	Database Search	IOC, VOC, SOC, Microbials
302	BML Site, X-Ray Laboratories-Medical	3 YR	Database Search	IOC, VOC, SOC
303	BML Site, Meat Processing	3 YR	Database Search	IOC, SOC, Microbials
304	BML Site, Newspapers (Publishers)	3 YR	Database Search	IOC, VOC
305	BML Site, General Contractors	3 YR	Database Search	IOC, VOC, SOC
306	BML Site, Fire Damage Restoration	3 YR	Database Search	IOC, VOC, SOC
307	BML Site, Nurserymen	3 YR	Database Search	IOC, VOC, SOC, Microbials
308	BML Site, Tractor-Dealers (Wholesale)	3 YR	Database Search	IOC, VOC, SOC
309, 310	BML Site, Laboratories-Dental	3 YR	Database Search	IOC, VOC, SOC, Microbials
311	BML Site, Janitor Service	3 YR	Database Search	IOC, VOC, SOC, Microbials
312	BML Site, Automobile Repairing & Service	3 YR	Database Search	VOCIOC, SOC
313	BML Site, Publishers-Directory & Guide	3 YR	Database Search	IOC, VOC
314	BML Site, Printers	3 YR	Database Search	IOC, VOC
315	BML Site, Trucking-Motor Freight	3 YR	Database Search	IOC, VOC, SOC
316	BML Site, Truck Renting & Leasing	3 YR	Database Search	IOC, VOC, SOC
317	BML Site, Truck Renting & Leasing	3 YR	Database Search	IOC, VOC, SOC
318	BML Site, Truck Renting & Leasing	3 YR	Database Search	IOC, VOC, SOC
319	BML Site, Federal Government-National Security	3 YR	Database Search	IOC, VOC, SOC
320	BML Site, Automobile Lubrication Service	3 YR	Database Search	IOC, VOC, SOC
321	BML Site, Snowmobiles	3 YR	Database Search	IOC, VOC, SOC
322	BML Site, Printers	3 YR	Database Search	IOC, VOC
323	BML Site, Sheet Metal Work Contractors	3 YR	Database Search	IOC, VOC, SOC
324	BML Site, Automobile Repairing &	3 YR	Database Search	IOC, VOC, SOC

	Service		
325	BML Site, Automobile Repairing & Service	3 YR	Database Search IOC, VOC, SOC
326	BML Site, Powder Coatings (Manufacturers)	3 YR	Database Search IOC, VOC, SOC
327	BML Site, Dairies	3 YR	Database Search IOC, Microbials
328	BML Site, Controls Control Sysys/Regulators	3 YR	Database Search IOC, VOC, SOC
330	BML Site, Ornamental Metal Work (Manufacturer)	3 YR	Database Search IOC, VOC, SOC
331	BML Site, General Contractors	3 YR	Database Search IOC, VOC, SOC
332	BML Site, Laboratories-Dental	3 YR	Database Search IOC, VOC, SOC, Microbials
333	BML Site, Lawn & Garden Equipment & Supplies	3 YR	Database Search IOC, VOC, SOC, Microbials
334	BML Site, Funeral Directors	3 YR	Database Search IOC, VOC
335	BML Site, Furniture-Manufacturers	3 YR	Database Search IOC, VOC, SOC
336	BML Site, Signs (Manufacturers)	3 YR	Database Search IOC, VOC, SOC
337	BML Site, Trucking-Heavy Hauling	3 YR	Database Search IOC, VOC, SOC
338	BML Site, General Contractors	3 YR	Database Search IOC, VOC, SOC
340	BML Site, Welding	3 YR	Database Search VOC, SOC
341	BML Site, Storage-Household & Commercial	3 YR	Database Search IOC, VOC, SOC, Microbials
342	BML Site, Pest Control	3 YR	Database Search IOC, VOC, SOC, Microbials
343	BML Site, Tools-Pneumatic (Wholesale)	3 YR	Database Search IOC, VOC, SOC
344	BML Site, Limousine Service	3 YR	Database Search VOC, SOC
345	BML Site, Plumbing Drain & Sewer Cleaning	3 YR	Database Search IOC, VOC, SOC, Microbials
346	BML Site, Crane Service	3 YR	Database Search VOC, SOC
347	BML Site, Hardware-Retail	3 YR	Database Search IOC, VOC, SOC
348	BML Site, Rental Service-Stores & Yards	3 YR	Database Search IOC, VOC, SOC
349	BML Site, Automobile Body-Repairing & Painting	3 YR	Database Search IOC, VOC, SOC
350	BML Site, Farm Equipment (Wholesale)	3 YR	Database Search IOC, VOC, SOC, Microbials
351	BML Site, Trucking-Motor Freight	3 YR	Database Search IOC, VOC, SOC
352	BML Site, Trapping Equipment & Supplies	3 YR	Database Search IOC, VOC, SOC, Microbials
353	BML Site, Veterinarians	3 YR	Database Search IOC, VOC, SOC, Microbials
354	BML Site, Fire Damage Restoration	3 YR	Database Search IOC, VOC, SOC
355	BML Site, Lawn Maintenance	3 YR	Database Search IOC, VOC, SOC
356	BML Site, Laboratories-Medical	3 YR	Database Search IOC, VOC, SOC, Microbials
357	BML Site, Tree Service	3 YR	Database Search IOC, VOC, SOC
358	BML Site, Bicycles-Dealers	3 YR	Database Search VOC, SOC
359	BML Site, Excavating Contractors	3 YR	Database Search IOC, VOC, SOC
360	BML Site, Hospitals	3 YR	Database Search IOC, VOC, SOC, Microbials
361	BML Site, Automobile Renting & Leasing	3 YR	Database Search IOC, VOC, SOC
362	BML Site, Plumbing Drain & Sewer Cleaning	3 YR	Database Search IOC, VOC, SOC, Microbials
363	BML Site, General Contractors	3 YR	Database Search IOC, VOC, SOC

364	BML Site, Hardware-Wholesale	3 YR	Database Search	IOC, VOC, SOC
365, 428	SARA Site, NPDES Site, INDUSTRIAL discharge	3 YR	Database Search	IOC, VOC, SOC, Microbials
366	NPDES Site, Municipal discharge	3 YR	Database Search	IOC, VOC, SOC, Microbials
367	NPDES Site, Municipal discharge	3 YR	Database Search	IOC, VOC, SOC, Microbials
368	NPDES Site, Municipal discharge	3 YR	Database Search	IOC, VOC, SOC, Microbials
369, 385, 436	SARA Site, RCRA Site, TRI Site, WET CORN MILLING	3 YR	Database Search	IOC, VOC, SOC
370	TRI site, No additional data	3 YR	Database Search	IOC, VOC, SOC
371	cercla site, Utah Powser & Light Co. :Permit Holder	3 YR	Database Search	IOC, VOC, SOC
372	cercla site, GARLAND CALL POLE CO :Permit Holder	3 YR	Database Search	IOC, VOC, SOC
373	cercla site, W. C. Timber Products :Permit Holder	3 YR	Database Search	IOC, VOC, SOC
376	RCRA Site, 505 1ST ST	3 YR	Database Search	IOC, VOC, SOC
378	RCRA Site, 555 W 25TH ST	3 YR	Database Search	IOC, VOC, SOC
379	RCRA Site, 625 E 7TH ST	3 YR	Database Search	IOC, VOC, SOC
380	RCRA Site, 1515 Lincoln Rd.	3 YR	Database Search	IOC, VOC, SOC
381	RCRA Site, 1195 E 17TH ST.	3 YR	Database Search	IOC, VOC, SOC
382	RCRA Site, 320 N Holmes Ave	3 YR	Database Search	IOC, VOC, SOC
383	RCRA Site, 221 Tenth St	3 YR	Database Search	IOC, VOC, SOC
384	RCRA Site, 570 Pancheri Dr	3 YR	Database Search	IOC, VOC, SOC
387	RCRA Site, 700 E 17TH ST	3 YR	Database Search	IOC, VOC, SOC
388	RCRA Site, 575 W 21ST ST	3 YR	Database Search	IOC, VOC, SOC
389	RCRA Site, 1527 Hollipark Dr	3 YR	Database Search	IOC, VOC, SOC
390	Mine, Sand & Gravel	3 YR	Database Search	IOC, VOC, SOC, Microbials
391	Mine, Sand & Gravel	3 YR	Database Search	IOC, VOC, SOC, Microbials
392	Mine, Sand & Gravel	3 YR	Database Search	IOC, VOC, SOC, Microbials
393	Mine, Sand & Gravel	3 YR	Database Search	IOC, VOC, SOC, Microbials
394	Mine, Sand & Gravel	3 YR	Database Search	IOC, VOC, SOC, Microbials
395	Mine, Sand & Gravel	3 YR	Database Search	IOC, VOC, SOC, Microbials
396	Mine, Sand & Gravel	3 YR	Database Search	IOC, VOC, SOC, Microbials
397	Mine, Sand & Gravel	3 YR	Database Search	IOC, VOC, SOC, Microbials
398	Mine, Stone	3 YR	Database Search	IOC, VOC, SOC
399	Mine, Sand & Gravel	3 YR	Database Search	IOC, VOC, SOC, Microbials
400	Mine, Sand & Gravel	3 YR	Database Search	IOC, VOC, SOC, Microbials
401	Mine, Sand & Gravel	3 YR	Database Search	IOC, VOC, SOC, Microbials
402	Deep Injection Well, Active	3 YR	Database Search	IOC, VOC, SOC, Microbials
403	Deep Injection Well, Active	3 YR	Database Search	IOC, VOC, SOC, Microbials
404	Deep Injection Well, Active	3 YR	Database Search	IOC, VOC, SOC, Microbials
405	Deep Injection Well, Active	3 YR	Database Search	IOC, VOC, SOC, Microbials
406	Deep Injection Well, Active	3 YR	Database Search	IOC, VOC, SOC, Microbials
407	Deep Injection Well, Active	3 YR	Database Search	IOC, VOC, SOC, Microbials
408	Deep Injection Well, Active	3 YR	Database Search	IOC, VOC, SOC, Microbials
409	Deep Injection Well, Active	3 YR	Database Search	IOC, VOC, SOC, Microbials
410	Deep Injection Well, Active	3 YR	Database Search	IOC, VOC, SOC, Microbials
411	Deep Injection Well, Active	3 YR	Database Search	IOC, VOC, SOC, Microbials
412	Deep Injection Well, Active	3 YR	Database Search	IOC, VOC, SOC, Microbials

413	Deep Injection Well, Active	3 YR	Database Search	IOC, VOC, SOC, Microbials
414	Deep Injection Well, Active	3 YR	Database Search	IOC, VOC, SOC, Microbials
415	Deep Injection Well, Active	3 YR	Database Search	IOC, VOC, SOC, Microbials
416	Deep Injection Well, Active	3 YR	Database Search	IOC, VOC, SOC, Microbials
417	Deep Injection Well, Active	3 YR	Database Search	IOC, VOC, SOC, Microbials
418	Deep Injection Well, Active	3 YR	Database Search	IOC, VOC, SOC, Microbials
419	Deep Injection Well, Active	3 YR	Database Search	IOC, VOC, SOC, Microbials
420	Deep Injection Well, Active	3 YR	Database Search	IOC, VOC, SOC, Microbials
421	Deep Injection Well, Active	3 YR	Database Search	IOC, VOC, SOC, Microbials
422	Deep Injection Well, Active	3 YR	Database Search	IOC, VOC, SOC, Microbials
423	Deep Injection Well, Active	3 YR	Database Search	IOC, VOC, SOC, Microbials
424	Deep Injection Well, Active	3 YR	Database Search	IOC, VOC, SOC
425	Deep Injection Well, Active	3 YR	Database Search	IOC, VOC, SOC
426	Deep Injection Well, Active	3 YR	Database Search	IOC, VOC, SOC
427	Deep Injection Well, Active	3 YR	Database Search	IOC, VOC, SOC, Microbials
429	SARA Site,	3 YR	Database Search	IOC, VOC, SOC
430	SARA Site, Gasonline Service Stations	3 YR	Database Search	IOC, VOC, SOC
431	SARA Site, Food Preparations	3 YR	Database Search	IOC, VOC, SOC, Microbials
432	SARA Site,	3 YR	Database Search	IOC, VOC, SOC
433	SARA Site, Farm Supplies	3 YR	Database Search	IOC, VOC, SOC, Microbials
434	SARA Site,	3 YR	Database Search	IOC, VOC, SOC
435	SARA Site, Gasoline Service Stations	3 YR	Database Search	VOC, SOC
438	SARA Site, Gasoline Service Stations	3 YR	Database Search	VOC, SOC
440	SARA Site, Trucking, Except local	3 YR	Database Search	IOC, VOC, SOC
442	SARA Site, Perfumes,Cosmetics,Toilet prep	3 YR	Database Search	IOC, VOC, SOC
443	SARA Site,	3 YR	Database Search	IOC, VOC, SOC
444	SARA Site,	3 YR	Database Search	IOC, VOC, SOC
448	SARA Site, Industrial Machinery and Equipment	3 YR	Database Search	IOC, VOC, SOC
450	SARA Site, Farm Supplies	3 YR	Database Search	IOC, VOC, SOC
451	SARA Site, Farm Supplies	3 YR	Database Search	IOC, VOC, SOC
452	SARA Site, Sewerage systems	3 YR	Database Search	IOC, VOC, SOC, Microbials
453	SARA Site, Telephone communication, except radio	3 YR	Database Search	IOC, VOC, SOC
454	SARA Site, Telephone communication, except radio	3 YR	Database Search	IOC, VOC, SOC
455	Recharge Point, Unused	3 YR	Database Search	IOC, VOC, SOC
456	Recharge Point, Unused	3 YR	Database Search	IOC, VOC, SOC
457	Recharge Point, Unused	3 YR	Database Search	IOC, VOC, SOC
458	Recharge Point, Unused	3 YR	Database Search	IOC, VOC, SOC
460, 461	AST, Agricultural Chemicals	3 YR	Database Search	IOC, VOC, SOC
462	AST, Agricultural Chemicals	3 YR	Database Search	IOC, VOC, SOC
464	Group 1 Site,	3 YR	Database Search	IOC, VOC, SOC
465	WLAP Site, Potato Processing	3 YR	Database Search	IOC, VOC, SOC, Microbials
466	WLAP Site, Potato Processing	3 YR	Database Search	IOC, VOC, SOC, Microbials
467	WLAP Site, Potato Processing	3 YR	Database Search	IOC, VOC, SOC, Microbials

468	WLAP Site, Potato Processing	3 YR	Database Search	IOC, VOC, SOC, Microbials
469	WLAP Site, Potato Processing	3 YR	Database Search	IOC, VOC, SOC, Microbials
470	WLAP Site, Potato Processing	3 YR	Database Search	VOCIOC, SOC, Microbials
471	Landfill, Municipal, Closed	3 YR	Database Search	IOC, VOC, SOC, Microbials
472	Landfill, Municipal, Closed	3 YR	Database Search	IOC, VOC, SOC, Microbials
473	Dairy, 888 Cows	6 YR	Database Search	IOC
474	UST Site, Farm , Impact: Closed	10 YR	Database Search	VOC, SOC
475	UST Site, Federal Non-Military , Impact: Closed	10 YR	Database Search	VOC, SOC
476, 484, 487	Municipal WLAP Site, NPDES Site, Deep Injection Well, active	10 YR	Database Search	IOC, SOC
477	Mine, Sand & Gravel	10 YR	Database Search	IOC, VOC, SOC
478	Mine, Phosphate 5	10 YR	Database Search	IOC, VOC, SOC
479	Mine, Geothermal 2	10 YR	Database Search	IOC, VOC, SOC
480	Mine, Sand & Gravel	10 YR	Database Search	IOC, VOC, SOC
481	Mine, Geothermal 3	10 YR	Database Search	IOC, VOC, SOC
482	Mine, Sand & Gravel	10 YR	Database Search	IOC, VOC, SOC
483	Deep Injection Well, Active	10 YR	Database Search	IOC, VOC, SOC
485	Recharge Point, Unused	10 YR	Database Search	IOC, VOC, SOC
486	Recharge Point, Unused	10 YR	Database Search	IOC, VOC, SOC
488	Landfill, Non-Municipal, Active	10 YR	Database Search	IOC, VOC, SOC

² SARA Site = Superfund Authorization Recovery Act, NPDES Site = National Pollutant Discharge Site, UST Site = Underground Storage Tank, LUST Site = Leaking Underground Storage Tank, RCRA Site = Resource Conservation Recovery Act Site, WLAP Site = Waste Land Application Site.

² TOT = time-of-travel (in years) for a potential contaminant to reach the wellhead

³ IOC = inorganic chemical, SOC = synthetic organic chemical, VOC = volatile organic chemical